

## 11

## CLAIMS

1. A plug connector (1), comprising a base (4) and contacts (5) retained in this base, the connector comprising centring feet elements (3) extending from a front face (2) of the base, these centring feet elements comprising elastic locking means (7) to interact with receptacles in a complementary device to the connector, characterised in that a locking means comprises a tongue (13), exhibiting a stump (12) and two piercing means (38, 39) on each side of the tongue, the piercing means interacting with two walls of the base.
2. The plug connector according to Claim 1, characterised in that the two piercing means are symmetrical to one another in accordance with an axis of symmetry merged with a principle axis of extension (17) of the tongue exhibiting the stump.
3. The plug connector according to one of Claims 1 to 2, characterised in that, during the locking and unlocking of the connector, the tongue is subjected to forces (F) exercised in a normal direction to a thickness of the tongue.
4. The plug connector according to one of Claims 1 to 3, characterised in that the locking means is flat and that the tongue provided with the stump exhibits a gimlet of 90° in such a way as to present a lock orthogonal to this plane.
5. The plug connector according to one of Claims 1 to 3, characterised in that the locking means comprise an elbow curve in such a manner as to present the two piercing means in two distinct planes (40, 41), and in order to present a lock in a plane (42) secant with these two distinct planes.
6. The plug connector according to one of Claims 1 to 5, characterised in that it comprises a centring and reinforcement strip (31) curved into a U shape in order to surround the tongue exhibiting the stump, this strip being provided with retention means (45) such as to interact with a wall of the cavity exhibiting the tongue.
7. The plug connector according to one of Claims 1 to 6, characterised in that the locking means are cut from a metallic sheet.
8. The plug connector according to one of Claims 1 to 7, characterised in that the locking means comprise two anchoring means (23, 24) to interact respectively with a lower cover (21) and an upper cover (22) of the connector,

## 12

these covers surrounding the base.

9. The plug connector according to Claim 8, characterised in that the lower and upper covers surrounding the base are symmetrical to one another.

10. The plug connector according to one of Claims 1 to 9, characterised  
5 in that the locking means are inserted from a rear face (28) in the base, with the strands of a cable being capable of being connected to the contacts at the level of this rear face.